

SYSTEM AND METHOD FOR THE EXCHANGE OF LOCATION INFORMATION IN A TELEPHONE NETWORK

ABSTRACT OF THE INVENTION

5 A wireless communications system is presented where a
mobile station is able to automatically determine its proximity to a second
mobile station or landline telephone. Once the proximity determination
command has been given, no further actions are required by the users of
either telephone. A GPS receiver connected to the first mobile station is
10 able to provide that mobile with its position and direction. The first
mobile station makes a request to the other telephone for its position,
through SMS messaging for example. A GPS receiver connected to the
second mobile station is able to provide the second mobile station with
data to enable the position request. Trust determinations can be enabled
15 so that position data is sent to a restricted list of requesting telephone
numbers. Likewise, the second mobile station can request position data
from the first mobile station. When position information is requested
from a landline telephone, the request can be fulfilled by the landline
telephone service provider. A method for automatically exchanging
20 position information is also provided.